



# **Structural Engineering Section, Design Branch, Engineering Division**

888-835-5971  
<https://www.nwo.usace.army.mil>

As part of the Omaha District's Engineering Division Design Branch, the Structural Engineering Section provides engineering consulting services for military and civil works projects.

## **Mission**

The mission of the Structural Engineering Section is to meet the structural engineering requirements of the Omaha District and the military and civil works customers it serves, using sound engineering judgment and incorporating state-of-the-art technologies in a timely and cost-effective manner.

## **Capabilities**

Our staff of structural engineers and computer-aided design and drafting technicians are experienced in providing services in the following areas:

### **Studies/Design**

- o Feasibility studies
- o Facilities (administrative, maintenance, recreation, hangars, treatment plants, living quarters, family housing, dining, etc.)
- o Bridges (highway and railroad)
- o Gates/bulkheads
- o Trashracks
- o Rehabilitation
- o Flood control structures
- o Investigations
- o Retaining structures
- o Underground structures
- o Dam and levee structures

### **Analysis**

- o Two and three-dimensional frame and finite element
- o Wind, seismic, gravity, and hydro-dynamic
- o Blast (static and dynamic)
- o Stability and sliding
- o Concrete, steel, and wood

### **Other Specialties**

- o Bridge inspections
- o Dam inspections
- o Weld inspections
- o Bridge ratings



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